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Notice of Allowability	Application No.	Applicant(s)	
	10/523,703	JOHAN ET AL.	
	Examiner	Art Unit	
	DARYL C. POPE	2612	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview Summary dated 3/9/2007.
2. ☒ The allowed claim(s) is/are 109-131.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>3/9/2007</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Marshall Curtis on 3/9/2007.

2. The application has been amended as follows:

IN THE CLAIMS:

1) Claims 86-108 have been deleted;

2) The following claims have been added:

-- 109. A telemetry system including:

one or more supervision terminals;

one or more remote terminals associated with at least one of the one or more supervision terminals;

a data network linking the one or more supervision terminals and the one or more remote terminals via an always-on connection through the data network via a path between the one or more supervision terminals and the one or more remote terminals;

wherein;

the one or more supervision terminals is in communication with one or more corresponding associated remote terminals across the data network using network facilities of the data network for carriage and switching or routing of messages;

wherein messages from the one or more remote terminals to the one or more supervision terminals are transmitted across the network, the message content being passed transparently across the network between the one or more remote terminals to the one or more supervision terminals;

wherein the one or more supervision terminals monitor the integrity of the path between the one or more remote terminals according to a fixed or programmable routine; and

wherein the one or more supervision terminals monitor poll responses from the one or more remote terminals to determine path integrity.

110. A telemetry system as claimed in claim 109, including one or more monitoring devices connected to one or more remote terminals, wherein the one or more remote terminals monitor the one or more monitoring devices and report the condition and/or status of the one or more monitoring devices to the one or more supervision terminals.

111. A system as claimed in claim 109, wherein the one or more remote terminals are linked to the network via an ADSL link and/or a wireless link.

112. A system as claimed in claim 109, wherein the one or more supervision terminals incorporate, or are connected to an associated monitor system, the monitor system being adapted to make information received from the one or more supervision terminals available to an operator, wherein the one or more supervision terminals include monitor interface emulation means converting information from the one or more supervision terminals to the monitor information format.

113. A system as claimed in claim 109, wherein the one or more supervision terminals and/or the one or more remote terminals include supervision terminal self-diagnostic means and/or remote terminal self-diagnostic means respectively, and send supervision terminal status reports or remote terminal status reports respectively to the associated monitoring system.

114. A system as claimed in claim 109, including an association register recording the association between one or more remote terminals and one or more supervision terminals, the association register being accessible to the one or more supervision terminals, wherein the one or more supervision terminals and the one or more remote terminals have access to the association register via the data network.

115. A system as claimed in claim 109, including one or more image capture devices linked to the one or more remote terminals, and a memory associated with the one or more image capture devices, the memory recording a moving time window of images from the image capture device.

116. A system as claimed in claim 115, including one or more associated detectors, wherein an image capture command from any of said detectors freezes the moving time window in the memory to capture a series of images in a specific time interval.

117. A system as claimed in claim 116, wherein at least some post-image capture command images are stored in a further buffer.

118. A method of transmitting information in a telemetry system including:
one or more supervision terminals;

one or more remote terminals associated with the at least one or more supervision terminals;

a data network linking the one or more supervision terminals and the one or more remote terminals via an always-on connection through the data network;

the method including the steps of:

monitoring the one or more remote terminals from at least one of the one or more associated supervisions terminals via the data network using the network facilities for carriage and switching or routing of messages;

transmitting messages from the one or more remote terminals to the one or more supervision terminals across the network, the message content being passed transparently across the network between the one or more remote terminals to the one or more supervision terminals; and

monitoring the path integrity between the one or more supervision terminals to the one or more remote terminals by transmitting poll requests from the one or more supervision terminals to the one or more remote terminals and monitoring poll responses from the one or more remote terminals according to a fixed or programmable routine; and

wherein the one or more supervision terminals monitors poll responses from the one or more remote terminals.

119. A method as claimed in claim 118, wherein the one or more remote terminals transmit association information to an association register.

120. A method as claimed in claim 118, wherein the one or more remote terminals retrieve information from the associated monitoring device for transmission to the association register.

121 A method as claimed in claim 118, including compiling a registration table associating the one or more remote terminals with the one or more associated supervision terminals.

122. A method as claimed in claim 121, including installing the address of the registration table in the one or more remote terminals, the one or more remote terminals being programmed to communicate with the registration table on start up of the one or more remote terminals.

123. One or more supervision terminals for use in a system as claimed in claim 109, including:

a supervision terminal network interface means adapted to respond to an alert condition originating from one or more remote terminals,

monitor system interface adapted to transmit an alert message to an associated monitor system and to receive a first acknowledgment message therefrom, the supervision terminal network interface being adapted to transmit a second acknowledgment signal to the one or more remote terminals from which the alert condition originated, the one or more supervision terminals including a poll request generator to transmit poll requests to the one or more remote terminals,

the one or more supervision terminals including a poll response processor to monitor the poll responses received from the one or more remote terminals to monitor

the integrity of the path between the one or more supervision terminals and the one or more remote terminals,

the one or more supervision terminals including a message receiver to receive messages from the one or more remote terminals which have been transmitted across the network without processing of the message content at an intermediate point in the network.

124. One or more supervision terminals for use in a system as claimed in claim 109, the one or more supervision terminals including:

path integrity monitoring means adapted to monitor the integrity of the path between the one or more supervision terminals and one or more remote terminals by transmitting poll requests to the one or more remote terminals and monitoring the poll response from the one or more remote terminals to verify the integrity of the path between the one or more supervision terminals and the one or more remote terminals,

wherein the one or more supervision terminals are adapted to receive messages from the one or more remote terminals the message content of which has been transmitted transparently across the network through the intermediate nodes in the network.

125. One or more supervision terminals as claimed in claim 124, including:

a supervision terminal network interface;

alert condition storage means;

alert condition processing means;

a monitor system interface including:

message means transmitting an alert condition originating from the one or more remote terminals to the monitor system;

means for receiving and storing of a first acknowledgment message sent by the monitoring system.

126. One or more remote terminals for use in a system as claimed in claim 109, including a remote terminal network interface means adapted to:

receive and respond to poll requests from one or more associated supervision terminals;

transmit alert condition to one or more associated supervision terminals;

monitoring device interface adapted to receive monitoring messages originating from the associated monitoring device and to transmit third acknowledgement messages to the monitoring device;

wherein the one or more remote terminals are adapted to receive messages from the one or more supervision terminals the message content of the messages being transmitted transparently across the network through the intermediate nodes in the network.

127. One or more remote terminals as claimed in claim 126, including:

a bypass switch; and

remote terminal monitor means monitoring the one or more remote terminals,

the remote terminal monitor means being adapted to operate the bypass switch to disconnect the one or more remote terminals and to connect an associated

monitoring device to a telephone network in the event of a failure of the one or more remote terminals.

128. One or more remote terminals as claimed in claim 126, wherein the address of one or more association registers is recorded in the one or more terminals to enable the one or more terminals to communicate with the registration server.

129. One or more remote terminals as claimed in claim 126, including one or more image capture devices linked to the one or more remote terminals, the one or more image capture devices being associated with one or more associated detectors to capture images of a designated area on receipt of an image capture command from an associate detector.

130. One or more remote terminals as claimed in claim 129, wherein the one or more image capture devices is associated with a first corresponding associated circular buffer capable of recording a predetermined amount of image information into which the one or more image capture devices continually store image information, and wherein, on receipt of an image capture command, the one or more remote terminals cause the storing of image information into the first circular buffer to cease after a predetermined amount of image information is stored in the first circular buffer, leaving a predetermined amount of pre-image capture command information remaining in the buffer.

131 A system as claimed in claim 129, wherein at least some post-image capture command images are stored in a further buffer. --


3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to DARYL C. POPE whose telephone number is 571-272-2959. The examiner can normally be reached on M-TH 9:00-7:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DANIEL WU can be reached on 571-272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Daryl C. Pope
March 12, 2007

DARYL C POPE
Primary Examiner
Art Unit 2612

A handwritten signature in black ink, appearing to read 'Daryl C. Pope', is written over the printed name and title.